

PATENT

INSTITUT FRANÇAIS DU PÉTROLE

MATERIALS COMPRISING ORGANIC GROUPS CONTAINING SULPHUR AND PHOSPHOROUS BONDED TO A MINERAL OXIDE VIA OXYGEN ATOMS

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ABSTRACT

The invention describes materials comprising organic groups containing sulphur and phosphorous bonded together by a hydrocarbon chain and bonded via phosphorous and oxygen atoms to a mineral oxide of an element M, said materials being characterized in that they comprise M-O-M' bonds, M' representing an element of a mineral oxide identical to or different from M, in that the ratio of the element M to the phosphorous is about 0.5: 1 to about 500:1 and in that each phosphorous atom of the phosphorous-containing groups forms at least one P-O-M bond and/or P-O-M' bond. The invention also describes a process for preparing such materials.